RESEARCH WORK IMPROVING EVERY DAY THINGS.
that people need Mr. Howard studying the effect of chemicals



Sproving a Sail with Anti-Mildew Solution

Reducing Cost of Leathers and Textiles by Increasing Their Wearing Qualities.

WHILE marvels have been pro-duced in mechanical appliances, in craft for the conquest of the air, or of the depths of the sea, and while methods of electrical communication have made it possible to talk half around the world, yet comparatively little change has been recorded by scientists in improving the commonplace every day things that people

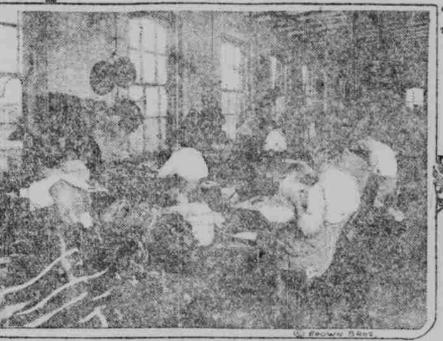
. Yet there is every reason to believe that a vast field of usefulness is open to chemists, physicists, and scientists generally who will dewote their lives to seeking means whereby the wearing qualities of textiles from which garments are made, leather from which shoes and gloves are made, and other articles of every day use are bettered. The scientific study of these simple things may seem an humble occupation as compared with the work of the inventor who perfects accessories of warfare, or of the scientist who develops some widely heralded elixer from monkeys to make old people young, but which make old people young, but which less than one in a million has used. Yet the sum total of benefit to be derived by humanity through this less spectacular work is incalculable. The experts who seek to cut down living costs by increasing the

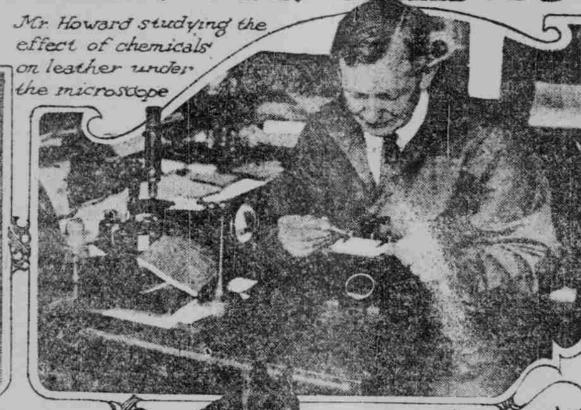












Gloves wear longest when lesther is properly treated

wearing qualities of things in every day use, are working on lines

to help everybody's paket book.

What can be done by the scientist to improve leathers and textiles is indicated by the work of Fred A. Howard, a notable chemist and scientist of South Faston, Mass. Mr. Howard has devoted to the first fire for the best for the first f Mass. Mr. Howard has devoted more than thirty-five years of his busy life to develop chemical formulae for manufacturers of leather belting, shoes and gloves. By many he is known as the "trouble man" of the shoc industry. He has won a reputation as a good man for manufacturers to consult with when they have refractory or unsatisfactory leathers to deal with. An idea of Mr. Howard's achievements as a leather chemist achievements as a leather chemist may be had from the remarks of a belt manufacturer who observed that the changes in leather belts wrought by Mr. Howard's proc-



Mr. Howard has originated a wonderful new Strawberry as his side-line (ACTUAL STE)

esses would be worth half a billion wearers of the country should the

dolars a year in wear to the shoe new methods come into universal

coats

A Soliction to keep the flies off of horses and to improve Cheir

use in the manufacture of shoes. But Howard has not only accomplished marvels in the treat-ment of leather. His work with textiles points the way for wonder-ful developments in that line. He has made discoveries of great value to the public health, and has, as a pasttime, made an excursion nto plant breeding with astonish-

ing results.
Mr. Howard's first leather probiem, tackled many years ago, was centered on the improvement of hemlock sole leather.

Since that early experiment, a quarter of a century ago, ber of formulae for rectifying and improving leathers tanned by vari-

Among them is a compound to be used by manufacturers of patent leather shoes. The compound is put on before the shoes are made. The leather, it is said, will never crack or break. He has also developed formulae for making brittle, harsh, dry, and imperfectly tanned glove leather flexible and workable. Refractory leather treated by him lifteen years ago is as flexible as the day it was proc-essed. He has made it permanently waterproof and loubled its wear-

Perhaps most wonderful of Mr. Howard's inventions is korite, a useful chemical agent which he has perfected after forty years in tire-ess research work. This chemical is said to permanently affect the fibres of the leather, rendering it wonderfully flexible, and by tests increasing its durability under friction tests, over 100%. It renders

the leather impervious to water, although admitting air.
Many of Mr. Howard's discoveries have originated in a desire to be helpful to others. Mr. Howard developed a solution that makes garments absolutely moth proof. • The chemical has no odor, does not affect the wearing qualities or color of the material and it cannot be

washed out.

Another of Mr. Howard's inventions is a fireproofing solution for working clothes. The chemist has brought the solution up to the point where the ignition of the cloth is prevented. A test lasting over a period of more than one year proves that it does not rot. He has proves that it does not rot. He has originated a unique rhenical solution to be sprayed on fine horses and highly bred cattle for the purpost of keeping flies and other insects from the animal.

Mr. Howard has produced a strawherry plant growing from 12 to 15 inches high and yielding the strawherries on high stems.

strawbe ries on high sten.s.

It is said that he knows more about 'e ther than any other man in the world. He would disclaim that statement. But to him a piece of leather is the most wonderful bit of weaving in the universe, and when he finds that its fibres have been macerated or gumed together by the crystals of tannin, or have been rather imperfectly tanned or damaged, he feels an injury has been done to one of nature's most

Auto intoxication

Auto intoxication is caused by the absorption of poisonous substances produced in the gastro-intestinal tract. Its symptoms are: Headache, vertigo, lassitude, sometimes insomnia and fever.

Eating while the food in the stomach is not yet quite digested often causes auto intoxication.

Disregarding definite disease of the scalp or hair, the common reason for all hair troubles is undoubtedly that the hair follicles are not getting either (1) the proper quality of nourishment, or (2) the proper quantity. In other words, the patient's blood is anaemic or a proper supply of blood is not reaching the roots of the hair. Disregarding definite disease of

In case of a disease of long standing a physician ought to be consulted. The former condition, poorness of blood, must, of course, be treated by appropriate tonics, and, of course, lower and the cou ed. In minor cases, though, the following rather novel treatment will be found very effective: One yeast cake three times a day an hour before meals. Not more than three meals. Prink a glass of warm water one half hour before breakfast every morning.

Avoid rich food, pastries, fried dishes, sweets, stimulants, coffee, tes in excess.

Eat plenty of spinach, carrots and other well-cooked vegetables, lettuce, not too much meat (roasted).

Avoid eggs, milk and cheese.

Avoid eggs, milk and cheese. Improving the Hair

It is a proven fact the electrical treatment by means of "High Frequency" (Violet Rays) has revolutionized the treatment of dandruff, falling hair, premature grayness, etc.

#### STATE CHAMBER OFFERS AID TO PUBLIC SCHOOLS

INDIANAPOLIS, Ind., Oct. 15 .- The has offered every possible assistance in the educational campaign to be confucted in Indiana during the week of raise the standard of public schools in our state. The State Chamber, through its menager, B. R. Inman, is complling a list of speakers for the campaign and will be able to effer to local committees the services of a larke number of leading business and profesput on a program for school better schools in the county seat are members of a county committee. This campaign will not be for the purpose of raisng salaries, but will be for the purpose of getting better schools for boys and girls in all communities, cities, c.wns and the country.

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### Bread is Your Best Food EAT MORE OF IT

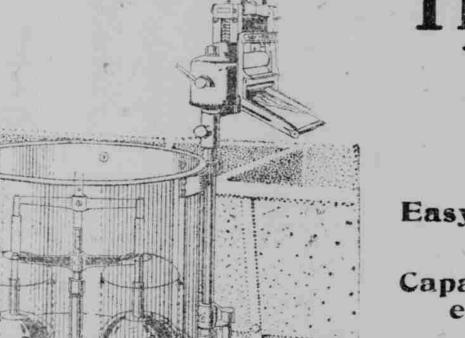
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